

WHAT IS CLAIMED IS:

1. A light source having laser diode modules comprising a plurality of laser diode modules, at least one of said laser diode modules having an optical  
5 power of at least 300 mW.

2. A light source having laser diode modules comprising a plurality of laser diode modules being arranged in high density, at least one of said laser diode modules having an optical power of at least 300 mW.

3. A light source having laser diode modules as claimed in claim 2,  
10 wherein arranging directions of at least two said laser diode modules are different from each other.

4. A light source having laser diode modules as claimed in claim 1, wherein said plurality of laser diode modules are mounted on a mounting portion.

15 5. A light source having laser diode modules as claimed in claim 4, wherein said mounting portion comprises a plate type heat pipe.

6. A light source having laser diode modules comprising a plurality of laser diode modules, said plurality of laser diode modules being thermally connected to a plate type heat pipe.

20 7. A light source having laser diode modules comprising a plurality of laser diode modules, each of which includes a metal substrate, said metal substrate mounting thereon a laser diode chip and an optical appliance; and a mounting portion comprising a plate type heat pipe, on which said plurality of laser diode modules are mounted.